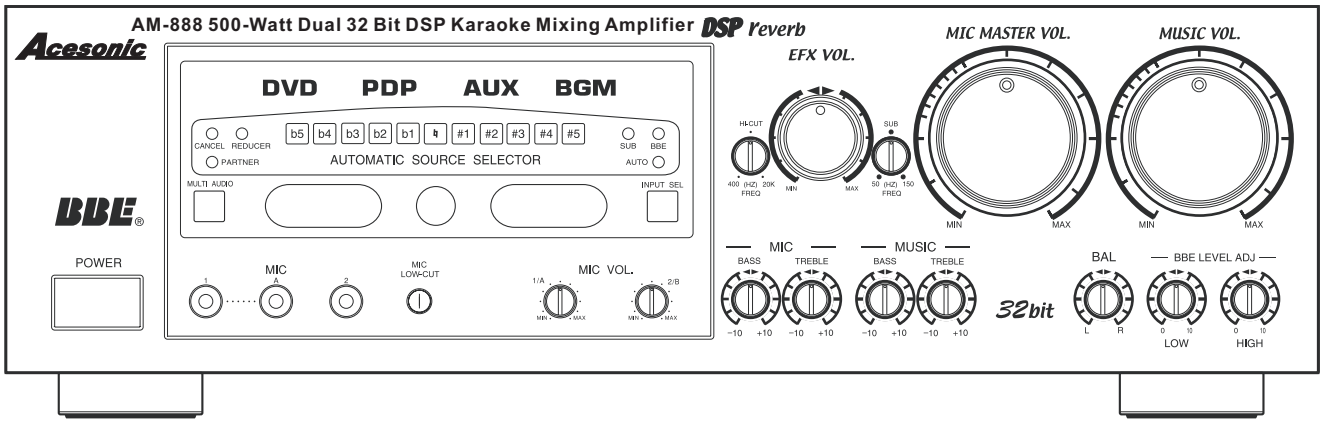
Acesonic



Acesonic AM-888

500 - Watt Karaoke Mixing Amplifier

With DSP Interface

USER'S MANUAL

NOTE:
To ensure this component will work safely and to its fullest potential, please read this user's manual carefully before operation and keep for future reference.

www.acesonic.com

Warnings, Cautions and Others
Mises en garde, precautions et indications diverses

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

To reduce the risk of electrical shocks, fire, etc:

1. Do not remove screws, screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

FCC INFORMATION (U.S.A.)

1. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
   This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
   Reorient or relocate the receiving antenna.
   Increase the separation between the equipment and receiver.
   Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.
2. **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product MUST be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use product in the U. S. A.

For Canada/Pour le Canada

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT,AND FULLY INSERT.
ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQUAU FOND.

For Canada/Pour le Canada

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FORM DIGITAL APPARATUS AS SET OUT IN THE INTERFERENCE-CAUSING EQUIPMENT STANDARD ENTITLED DIGITAL APPARATUS, ICES-003 OF THE DEPARTMENT OF COMMUNICATIONS. CET APPAREIL NUMERIQUE RESPECTE LES LIMITES DE BRUITS RADIO ELECTRIQUES APPLICABLES AUX APPAREILS NUMERIQUES DE CLASSE B PRESCRITES DANS LA NORMESUR LE MATERIEL BROUILLEUR: APPAREILS NUMERIQUES , NMB-003 EDICTEE PAR LE MINISTRE DES COMMUNICATIONS.

Caution

Disconnect the electrical plug to shut off power completely. The POWER on the unit is not off from the electrical plug when the POWER button on the front panel is not pressed in.

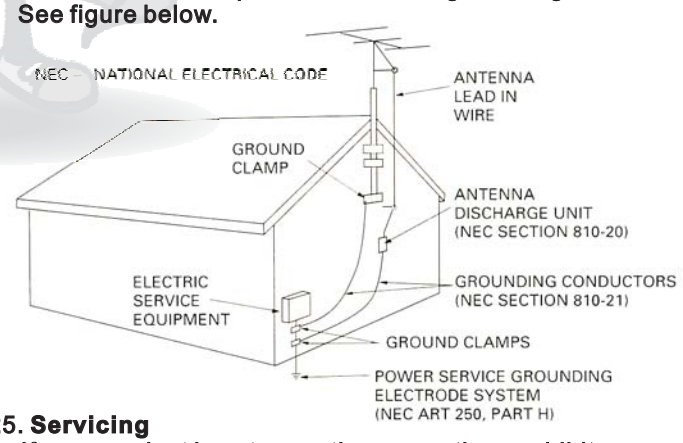
IMPORTANT FOR LASER PODUCTS

1. **CLASS1 LASER PRODUCT**
2. **DANGER:** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CATION:** Do not open the top cover. There are no user service able parts inside the unit. Leave all servicing to qualified service personnel.
4. **REPRODUCTION OF LABEL:** CAUTION LABEL, PLACED INSIDE THE UNIT.

Important Safety instructions

1. **Read** These Instructions.
2. **Keep** These Instructions.
3. **Heed** All Warnings.
4. **Follow** All Instructions.
5. **Do** not use this product near water.
6. **Clean** only with dry cloth.
7. **Do** not block any ventilation openings.
8. **Do** not install near any heat sources such as radiators, heat register, stoves, or other apparatus (including amplifiers) that produce heat.
9. **Do** not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. **Protect** the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. **Only** use attachments and accessories specified by the manufacturer.
12. **Use** only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart.

13. **Unplug** this apparatus during lightning storms or unused for long period of time. Apparatus combination to avoid injury from tip-cover.
14. **Refer** all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **This** product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
16. **Protective Attachment Plug**
    The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
17. **Power Lines**
    An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. **Overloading**
    Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. **Object and Liquid Entry**
    Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. **Replacement Parts**
    When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21. **Safety Check**
    Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
22. **Wall or Ceiling Mounting**
    The product should be mounted to a wall or ceiling only as recommended by the manufacturer. Any mounting of the product should follow the manufacturer instructions, and should use a mounting accessory recommended by the manufacturer.
23. **Wet location marking**
    Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
24. **Outdoor Antenna Grounding**
    If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.



25. **Servicing**
    If your product is not operating correctly or exhibits a marked change in performance and you are unable to restore normal operation by following the detailed procedure in its operating instructions, do not attempt to service it yourself as operating instructions, do not attempt to service it yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personal.

Acesonic AM-888

Thank you for purchasing Acesonic's AM-888. Acesonic takes pride in providing our costmers with only the most advanced and highest quality karaoke products on the market. Please read trough this USER'S MANUAL before operation to ensure proper usage, and keep for future refence. Enjoy!

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Included Accessories

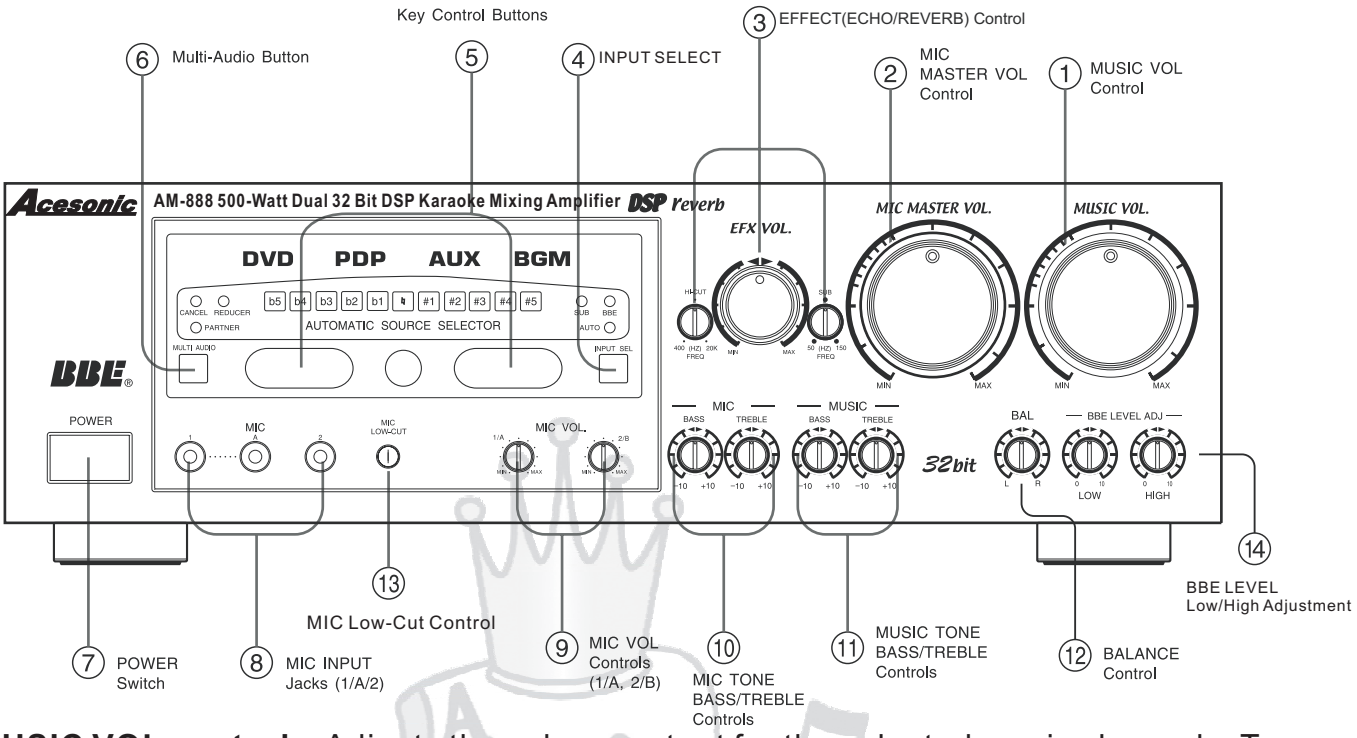
Please check to make sure all accessories are included. If anything is missing, please contact your dealer immediately.

- 1 Remote Control
- 2 AAA Batteries
- 1 RCA Audio/Video Cable (yellow/red/white)
- 1 AC Power Adapter Cord
- Rack-Mount Kit
- User's Manual

About this Manual

For easy reference, names of all functions and/or components on the hardware and accessories are denoted by upper-case letters.

Front Panel Function and Operation



1.MUSIC VOL control - Adjusts the volume output for the selected music channels. Turn counter-clockwise to decrease volume and clock-wise to increase volume.

2.MIC MASTER VOL control -Adjusts the overall volume output for all three microphone channels, collectively. Turn counter-clockwise to decrease volume and clock-wise to increase volume.

3.EFFECT VOLUME VOL- Center big knob is used for adjusting the sound effects, echo and reverberation effects. The two small knobs are used for adjusting high and low frequency cutting range.

4.INPUT SELECT- Selects the external source connected to DVD INPUT,PDP INPUT,AUX INPUT or BGM INPUT. Corresponding indicator light will illuminate when selected.

5.KEY CONTROL- These buttons are used for adjusting the music scale. Each step is for1/4 tone adjustment, and the middle button is for the original/standard key. After a song finishes, or the music has been terminated for more than 4 seconds, the system will automatically return to the original key.

6.MULTI.-AUDIO(Sound selector)

***CANCEL:**The original vocal(usually on the right channel) of the multiplex audio song can be removed,and only the music(usually on the left channel) would be played.

***PARTNER**:If there is no signal detected from Micrphone input(you don't sing with a microphone) , the original vocal(right channel) of the multiplex audio song will e automatically played.Once a signal is detected from Microphone input(you start singing with a microphone), the original vocal(right channel) will be removed automatically.

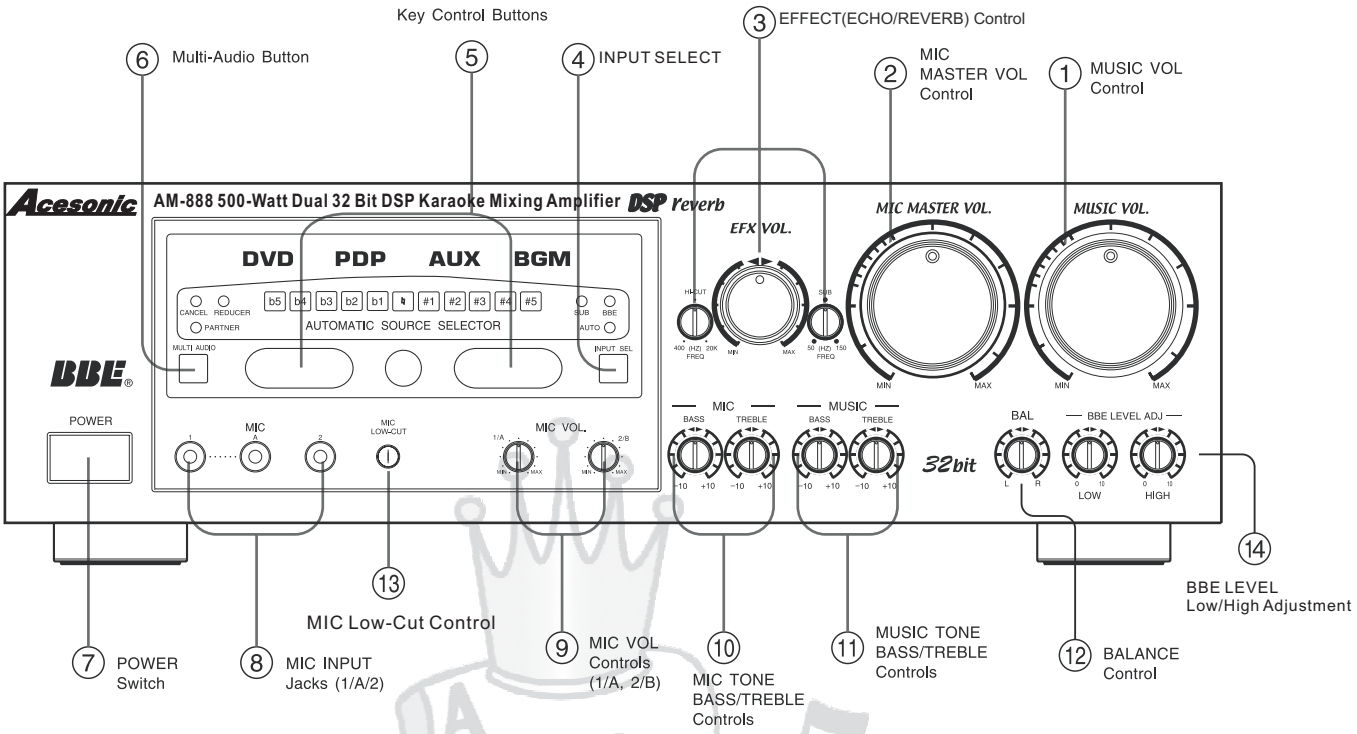
***REDUCER:** For stero music, only when both left and right channel have vocal, the original vocal would be removed. This feature might not work very well if the left and right channel have different voice sound.

*When no indicator light is on, it is the common vocal accompaniment. Nothing changes from the original audio signal.

7.POWER ON/OFF button - Turns the AM-888 on or off.

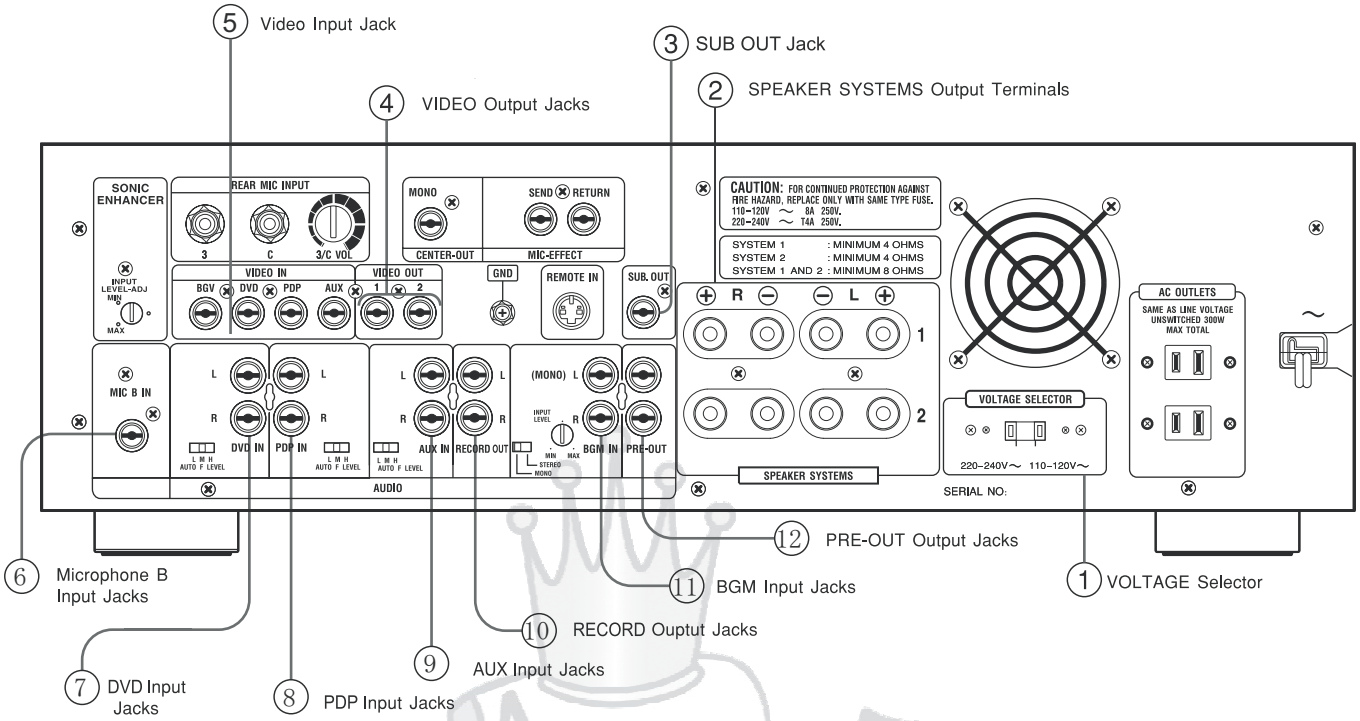
8.MIC INPUT jacks (1, A, 2) -1/4 inch inputs for microphones.

Front Panel Function and Operation



9. MIC VOL control (1/A,2/B)- Independently adjusts the signal volume of each corresponding MICROPHONE INPUT. Turn counter-clockwise to decrease volume and clockwise to increase volume.
1/A: Adjusts the microphone input level of MIC 1 and MIC A.
2/B: Adjusts the microphone input level of MIC 2 and MIC B*. *MIC B is at the rear of the machine.
10.MICROPHONE BASS control/MIC TREBLE control- Adjusts the low/high audio frequency setting from microphone inputs. Turn counter-clockwise to decrease and clockwise to increase.
11.MUSIC BASS control/MIC TREBLE control- Adjusts the low/high audio frequency setting from DVD/PDP/AUX/BGM inputs. Turn counter-clockwise to decrease and clockwise to increase.
12.BALANCE knob- Pans the music output to the stereo left and right channels. Turn counter-clockwise to gradually pan to the stereo left channel. Turn clockwise to gradually pan to the stereo right channel. Center the knob for equal output from both stereo left and right channels. (Please note: the microphone inputs will NOT be affected)
13.MICROPHONE low-cut control- Adjust the low frequency level of microphone input.
14.BBE level adjustment knobs- Adjusts the low/high audio frequency of BBE sound effect. Turn clockwise to increase and counter-clockwise to decrease.

Rear Panel Function and Operation



1. VOLTAGE SELECTOR- Voltage selection switch. Push the switch right for 115V, and left for 230V. (Note: Different regions of the world use different voltage strength. Please check to make sure the correct voltage is selected for your area.). Before switching, please disconnect the power plug.

2.SPEAKER SYSTEM- Provides audio output to stereo external speakers. Designed to be used with bare speaker wire as well as banana connectors. The LEFT and RIGHT outputs each consist of a positive (+, red) and negative (-, black) signal that correspond with the inputs on each speaker. (Please see connection diagram on page 11 for proper configuration)

*SYSTEM 1: The impedance of speakers should not be lower than 4 Ω.

*SYSTEM 2: The impedance of speakers should not be lower than 4 Ω.

*SYSTEM 1+2: The impedance of speakers should not be lower than 8 Ω.

3.SUB OUT jack- This is used for connecting a powered subwoofer, or driving passive subwoofer via Amplifier.

4.VIDEO OUTPUT 1 &2 jacks -These two VIDEO RCA outputs are used for outputting OSD video signal and also the video signal which is from DVD/PDP/AUX/BGV. These two VIDEO output jacks can be use at the same time.

5.VIDEO INPUT jacks (DVD/PDP/AUX/BGV) -VIDEO RCA inputs to receive video signal from DVD/PDP/AUX/BGV.

6.Microphone B input- Additional microphone input. User can use 2/B MIC VOL control knob on the front panel to adjust volume.

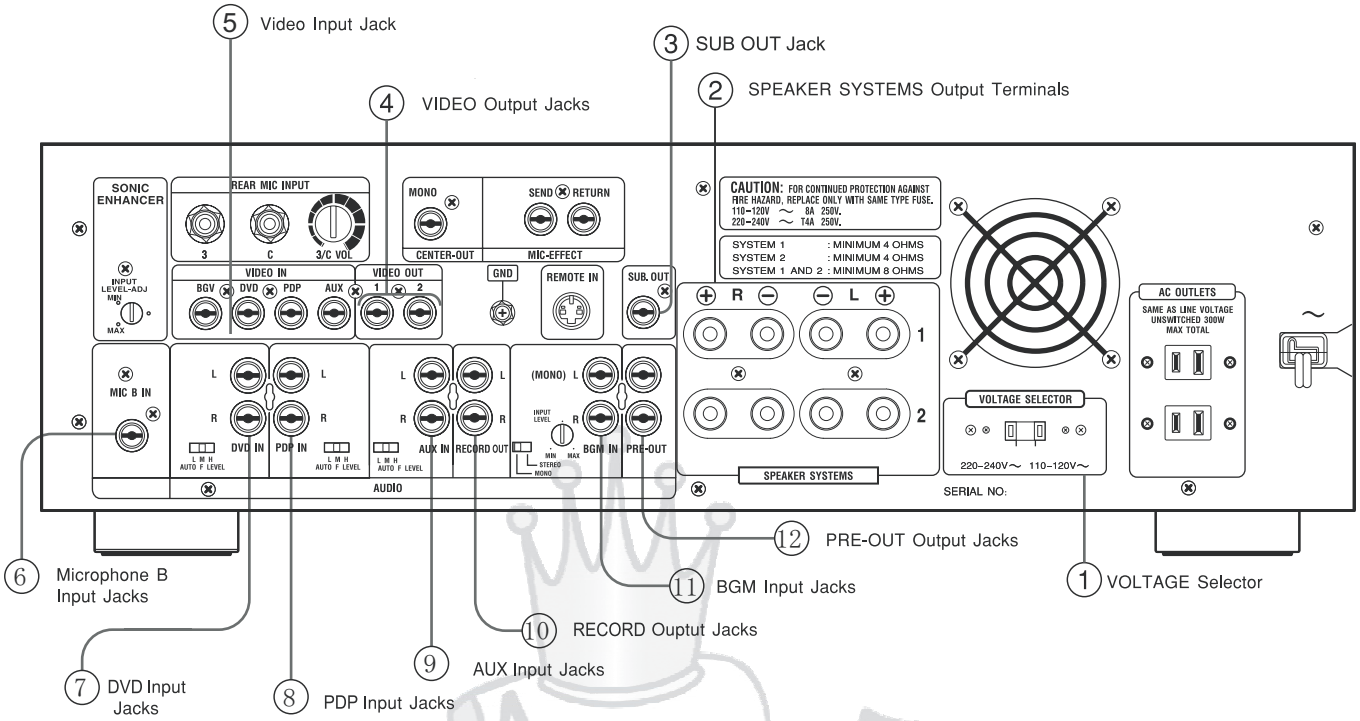
7.DVD IN AUDIO input- Connect to RCA Audio output jacks of an external component like DVD(VCD) players.

8.PDP IN AUDIO input- Connect to RCA Audio output jacks of an external component like Plasma Display Panels.

.8.AUX IN AUDIO input- Connect to RCA Audio output jacks of an external component like STB AUDIO ouput jacks of CABLE TV**.**

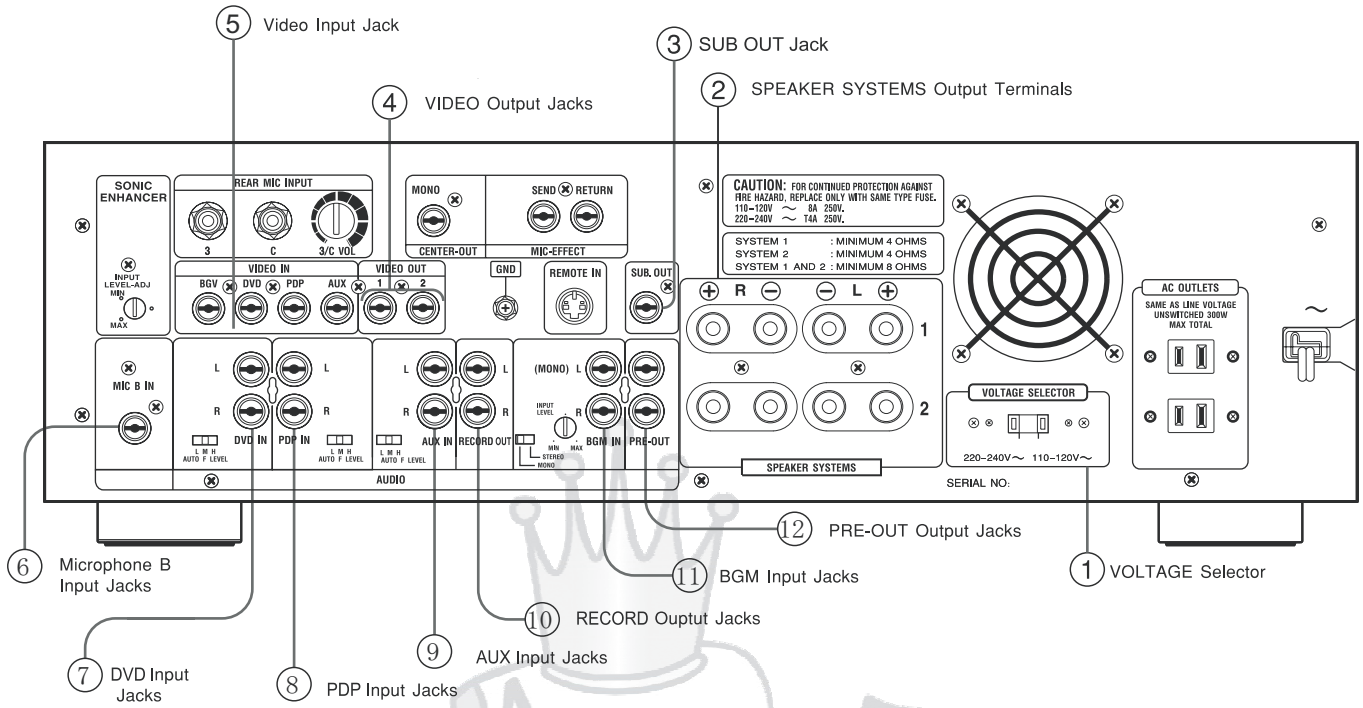
9.RECORD OUT- Connect to RCA Audio input jacks of an external recording component like TAPE deck. This Audio output signal is always on even when the external recording component is not recording.

Rear Panel Function and Operation



11.BGM IN AUDIO input- Connect to RCA Audio output jacks of an external component like background music devices.
12.PRE-OUT output- Connect to RCA Audio input jacks of an external power amplifier or Mixing component like Mixer for further signal processing.
13.AC outlet -Female outlet for alternate current adapter. Total power consumption is 300W.Power is always supplied through these outlets regardless of the POWER switch setting on the front panel, so the power of the connected components should be **turn** ON/OFF by using their respective power switches.
14.REMOTE IN- Used for connecting with remote control to increase the signal distance. It can be connected be wired to the control panel(not included).When it is connected,the receiver at frontpanel would NOT work.
15.MIC RETURN- Outputs pure microphone signal to external component.
16.MIC SEND- Outputs mixed microphone signal to external component.
17.CENTER OUT- Please refer to the "CENTER OUT" section in the supplemental User's Guide.
18.REAR MIC INPUT- the 3rd/C microphone input and volume adjustment knob.
19.DVD SENSITIVITY SWITCH- Sets the sensitivity at which DVD audio input level is detected and switched automatically.
*L:Set to this position when the input switch does not change to BGM or other mode even if DVD playback is finished.
*M:Set to this position in normal operating condition.
*H:Set to this position when you want to cange the input switch to other modes even when a DVD is playing.
20.PDP SENSITIVITY SWITCH- Sets the sensitivity at which PDP audio input level is detected and switched automatically.
*L:Set to this position when the input switch does not change to BGM or other mode even if the playback from PDP source is finished
*M:Set to this position in normal operating condition.
*H:Set to this position when you want to cange the input switch to other modes even if PDP source is playing..

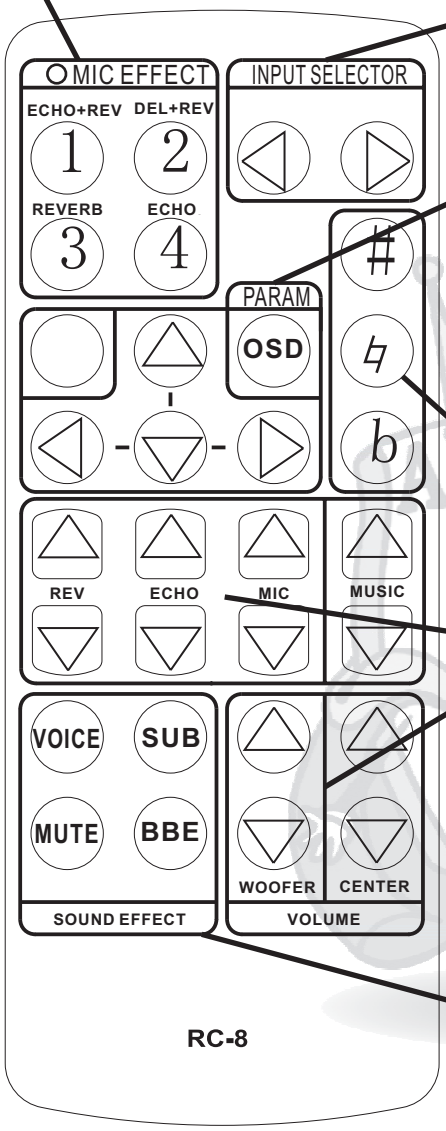
Rear Panel Function and Operation



21.AUX SENSITIVITY SWITCH- Sets the sensitivity at which AUX audio input level is detected and switched automatically.
*L:Set to this position when the input switch does not change to BGM or other mode even if the playback from AUX source is finished
*M:Set to this position in normal operating condition.
*H:Set to this position when you want to canges the input switch to other modes even if AUX source is playing.
22.MONO/BGM STEREO SWITCH- Set this switch to “STEREO” when the BGM input is in stereo, or to “MONO” when it is in monaural.
23.BGM INPUT LEVEL control- Adjust this control to the volume of background music.
24.GROUND TERMINAL- This is used for grounding under certin conditions. Mainly for avoiding electric shock or electric leakage.
25.AC POWER Cord- Plug this core into an AC Wall outlet.
26.INPUT LEVEL adjustment- This is used for fine-tuning the audio frequency signals inputted from DVD,DPD,and AUX.

Remote Control:

MIC EFFECT
Select from:
ECHO+REVERB/DELAY+REVERB/REVERB/ECHO



INPUT SELECT
Select from:
DVD/PDP/AUD/BGM input audio/video signals

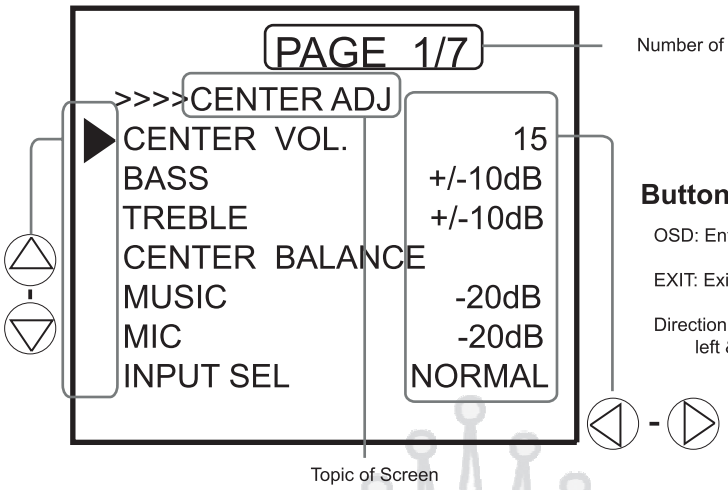
Parameter Adjustment
OSD:Enter the function, sound-effect setting pages. Can be used to turn pages as well. Use up/down/left/right arrow key for operation.
EXIT:Exit from the function, sound-effect setting page.

.KEY CONTROL:
1.SHARP button (#)- raises music key by one half-tone.
2.NATURAL button (♮)- resets music to original key.
3.FLAT button (b)- lowers music key by one half-tone.

VOLUME:
1. REV: Microphone reverb effect adjustment
2. ECHO: Microphone echo effect adjustment
3. MIC: Microphone volume adjustment
4. MUSIC: Music volume adjustment
5. WOOFER: Woofer volume adjustment
6. CENTER: Center volume adjustment

SOUND EFFECT
1.VOICE: Mult. selection on voice and music.
2.MUTE: To enable/disable the sound.
3.SUB: Switch to subwoofer output(need to connect to active subwoofer)
4.BBE:To enable/disable the dynamic expand effect.

Sound-Effect Screen Setting:



Number of Page and Item （7th of 7 pages）

Buttons Used for Setting Sound-Effects

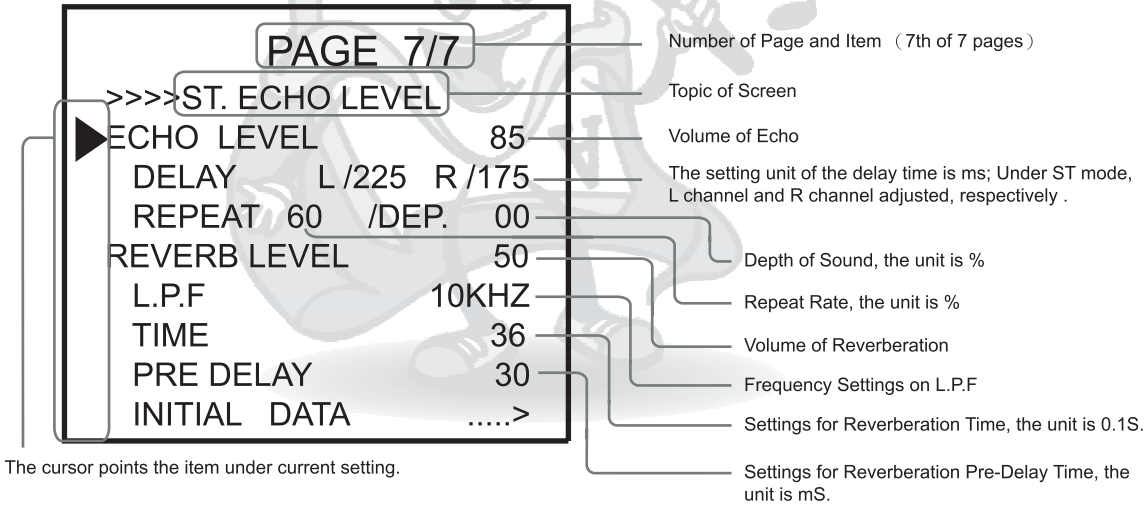
OSD: Enter the setting screen / Switch the setting screens

EXIT: Exit the setting screen

Direction buttons：up & down button – Select the Item；
left & right button – Increase & Decrease the value.

1.Press OSD button under the usual screen, it would enter the first page of the setting screens.
2.To exit, please press EXIT button, or press OSD for the next screen.
3.All settings would be automatically save after any modification.
4.In the INPUT SEL screen, when it is under NORMAL condition, no below items will appear; however, when it is under AUTO condition, it would appear:

A: Audio Signal Detect
V: Video Signal Detect
A+V: Audio + Video Signal Detect

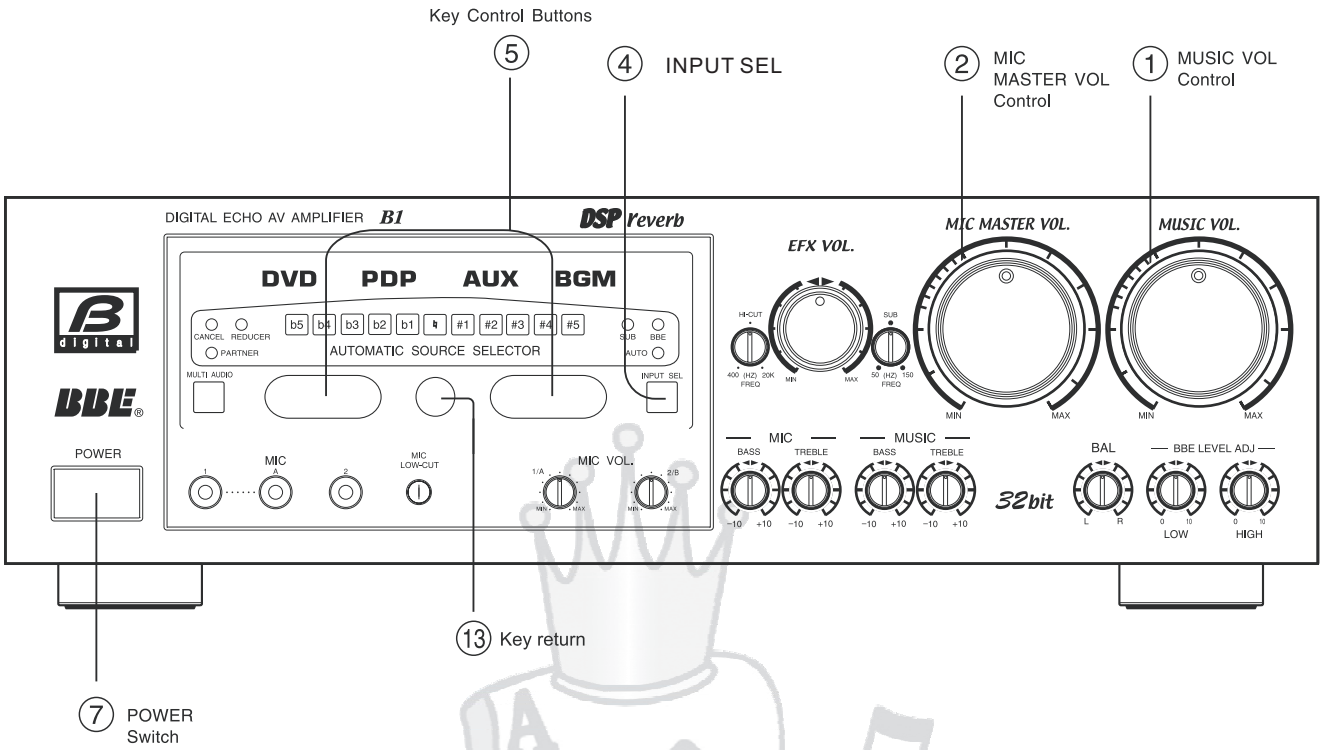


Number of Page and Item （7th of 7 pages）
Topic of Screen
Volume of Echo
The setting unit of the delay time is ms; Under ST mode, L channel and R channel adjusted, respectively .
Depth of Sound, the unit is %
Repeat Rate, the unit is %
Volume of Reverberation
Frequency Settings on L.P.F
Settings for Reverberation Time, the unit is 0.1S.
Settings for Reverberation Pre-Delay Time, the unit is mS.

MIC Effect
1.There are totally six functions that are controlled by four buttons.
2.Button 1 and Button 2 respectively has two types of sound-effects.
Button 3 & 4 respectively has 1 effect.

For example, press Button 1 for the first time, the activated sound-effect would be “ECHO+REVERB”；when pressing Button 1 for the second time, the sound-effect would be “ST. ECHO+REVERB”. Press Button 2 for the first time, the activated sound-effect would be “DELAY+REVERB”；when pressing Button 2 for the second time, the sound-effect would be “ST. DELAY+REVERB”.

Default Volume Setting:



Default Volume and Maximum Volume Setting:

1.Make sure the AM-888 is connect to power and turn POWER SWITCH(#7) OFF.

2.Counterclockwise turns the volume of MUSIC VOLUME(#1) and MIC MASTER VOL(#2) to minimum.

3.Continually press INPUT SEL(#4), and then press POWER SWTICH(#7). The indicator light of MIC MASTER VOL(#2) will be on, and “MIC INITIAL” will appear on the OSD.

4.AM-888 is under microphone initial volume setting. The default value would be the initial value of microphone volume. Clockwise turns the MIC MASTER VOL(#2) to change the initial volume, and press KEY RETURN(#13) to go to next step.

5.”MIC MAX” now appears on OSD(On-screen Display). This means the AM-888 is under microphone max. Volume setting. The maximum value means the maximum MIC volume can be reached by using the remote control or other outside control signals. After finishing setting, press KEY RETURN(#13) to go to next step.

6.The indicator light of MIC MASTER VOL(#2) is off, and the indicator light of MUSIC MASTER VOL is on.”MUSIC INITIAL” now appears on OSD(On-screen Display).This means the AM-888 is under MUSIC VOL setting.

7.Turn clockwise at MUSIC VOL(#1) to set up the initial value of the MUSIC VOL, and press KEY RETURN(#13) to go to the next step.

8.”MUSIC MAX” appears on the OSD(On-screen Display),this means AM-888 is under music max. Volume setting. The maximum value means the maximum music volume can be reached by using remote control or other outside control signals. After finishing making changes, press KEY RETURN(#13) to go to next step.

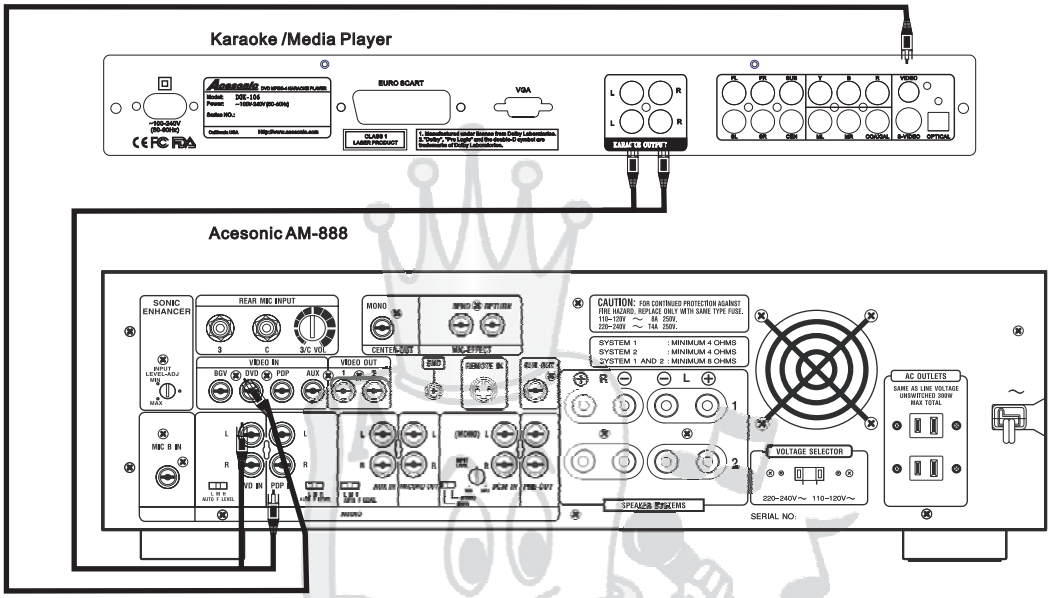
9.When LED Display of boot appears on the front panel of AM-888, the process of setting is done.

10. To cancel/exit the set up mode, press the right button of the Key Control(#5).When LED Displayof boot appears on the front panel of the AM-888, the process of setting has been canceled.

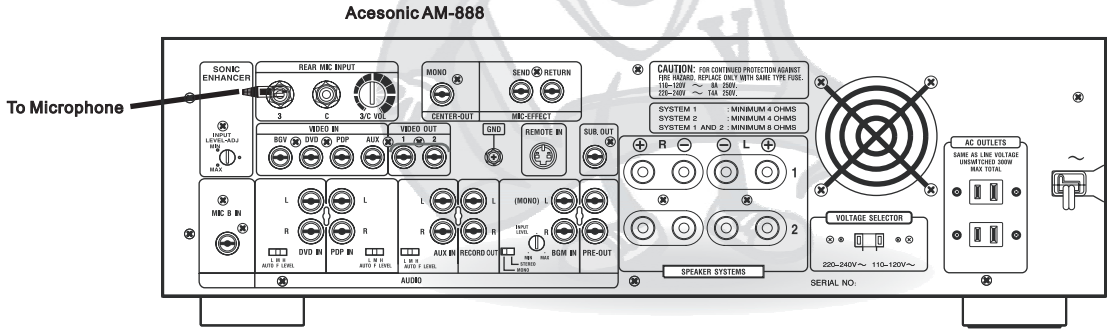
Player Connections

Make sure all power is disconnected from each component before connecting. Plug all cables and cords securely to prevent unwanted noise.

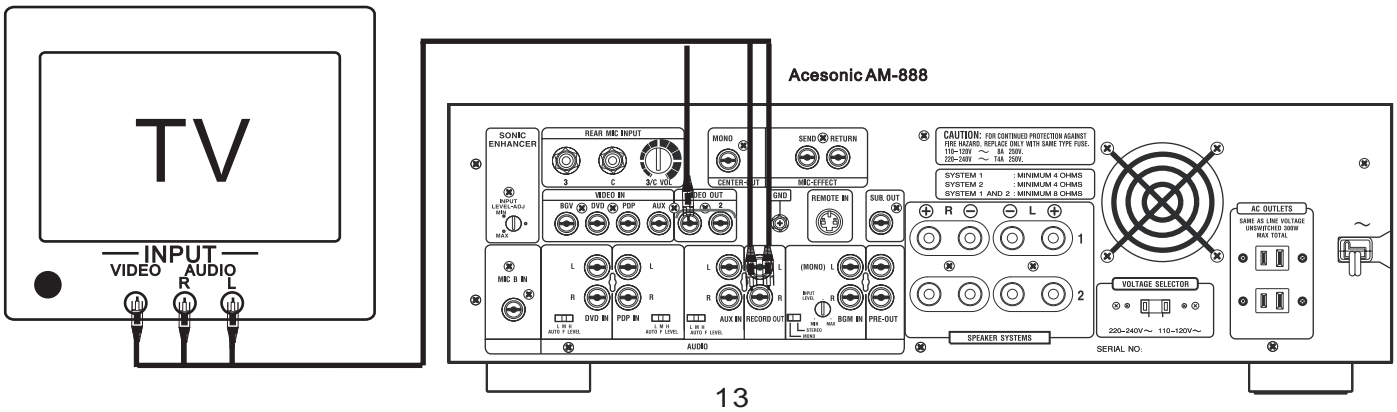
Karaoke/media player and AM-888:



Microphone and AM-888:

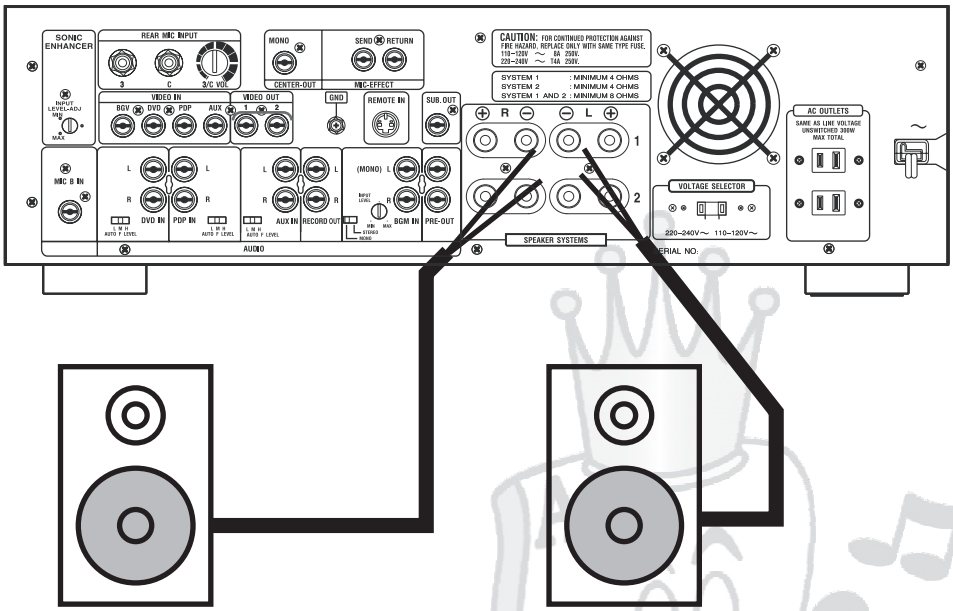


TV with Audio and AM-888:



Player Connections

Home Stereo Speaker and AM-888:



Troubleshooting

If you are having problems operating the AM-888, or suspect something is wrong with the unit, please check the troubleshoot list below to see if the issue is a result of incorrect operation rather than equipment malfunction. If you are still unable to resolve the problem, please contact our Acesonic service center at 626-820-0670.

Symptom	Possible Causes	Solution
Will not turn on	AC power adapter cord is incorrectly attached or not plugged into outlet	Check both the AC adapter connection as well as the AC outlet connection.
No audio can be heard, audio signal meter shows signal	Incorrect input source selected	Check to make sure the correct corresponding button is pressed on the input selector in relation to your audio source.
	MUTE button is ON, or MUSIC VOL control is down	Press the MUTE button once or check to see if MUSIC VOL control is all the way down. If so, turn the knob slowly clockwise.
	Poor or incorrect output connection to speakers or other external units, or bad/defective cables, wires or connectors	Double check all output connections to speakers or other units. Try using another set of cables/cords. Make sure to turn POWER OFF before reconnecting cables.
No audio can be heard, audio signal meter DOES NOT show signal	Poor or incorrect input connection from audio source unit, or bad/defective cables, wires or connectors	Double check all input connections from audio source units. Try using another set of cables/cords. Make sure to turn POWER OFF before reconnecting cables.
No microphone signal can be heard	Microphone controls are turned down	Check MIC MASTER VOL and all MIC VOL controls to see if they are turned down. If so, turn the knob slowly clockwise.
	Poor or incorrect input connection from microphone, or bad/defective cables, wires or connectors.	Double check all microphone connections. Try using another cable/cord. Make sure to turn MIC MASTER VOL down before reconnecting cables.
Music sounds hollow or distant	PARTNER function is ON	If you do not want to eliminate vocals from the source, press the MULTI AUDIO button once to return music to original characteristics.
No vocals present in source that normally contains vocals	PARTNER button is ON, or RIGHT channel button selected on a multiplex* source	Press the MULTI AUDIO button once, or press the STEREO button once.
Unpleasant howling and screeching heard from speakers	Microphone feedback	Place microphones further away from speakers. Face microphones away from speakers.
Remote control not functioning	Batteries are exhausted or positioned incorrectly	Replace with fresh batteries or double check battery positioning.
	Remote is out of range or there is an obstruction	Move closer to the AM-888 or make sure no objects are obstructing your view of the unit.

* Multiplex refers to karaoke music designed to allow lead vocals to be turned on/off by isolating them to just the left channel.

Specifications

AM-888 Specifications

Audio input (sensitivity/impedance)
MIC.....3mv / 10k Ω
4.5mv / 3.5k Ω
DVD,PDP,AUX.....250mv / 22k Ω
BGM.....250mv / 22k Ω

Audio output (level/impedance)
PRE-OUT.....2v / 1k Ω

Frequency response
MIC.....20Hz ~ 15kHz,+0 / -3dB
MUSIC.....20Hz ~ 20kHz,+0 / -3dB

Tone control response
MUSIC Tone Bass..... ...±10dB(100Hz)
Treble..... ..±10dB(10kHz)
MIC Tone Bass.....±10dB(100Hz)
Treble.....±10dB(10kHz)
Key control range.....15 steps ± 2.5 pitch

Video input (sensitivity/input impedance)
.....1v_{p-p} / 75 Ω

Video output (output level/output impedance)
.....1v_{p-p} / 75 Ω

Power Supply / Others

Power supply.....110/120 VAC,220/240 VAC
50-60Hz
Power consumption.....230W
AC outlet.....2 (TOTAL MAX 230W)
Dimensions (W x H x D).....430 x 135 x 385 mm
Weight.....11Kg

- Designed and specifications subject to change without notice

BBE® This product is manufactured under BBE authorization

1 Year Manufacturer Warranty
Lifetime Technical Support
CE/FCC/FDA certified
Design/Made in Taiwan

Technical Support: (626)820-0670
Address:161 South 8th Avenue City Of Industry,
CA 91746-3208, USA
Website: www.acesonic.com

Supplemental User's Guide

Congratulation for you choosing AM-888 Professional Karaoke Amplifier! This is an absolutely correct decision. If you are a singing-lover, you will thoroughly forget the traditional echo karaoke Amplifier after experiencing The AM-888. The AM-888 is a DSP REVERB work-of-art with robust and powerful functionalities and able to make your performance as elegant and enchanting as professional singers can reach. Singer's breathing or tone-changing can be exactly visually and acoustically synchronized and reach an optimized effect. For Beginners, AM-888 would be able to lead you to the most correct and proper manners and skills for signing.

AM-888 Has built-in 32bit Hi-Speed Digital-Process DSP ECHO and REVERB - Hi-Power-Output TWO Channel Amplifier. If the space is sufficient, it is suggested to connect the Mid-channel of AM-888 with another amplifier, and also connect the active subwoofer. With proper adjustments, the acoustic range of voice would be much wider, and the position of human voice would be much more Concentrated. It is suggested to get more advices from experienced professionals when considering to purchase microphone and speakers, in order to obtain the best performances Of AM-888 Especially in an airtight space (Living room, KTV room…etc), AM-888 can easily overcome various acoustic problems, and grant you a crystal-clear voice.

Guide for Major Functions on the Front Panel

1. MIC MASTER / MUSIC VOL

In addition to function as the volume adjustment for the usage of microphone and karaoke music, users can enter the max./min. volume settings by pressing the OSD button on the remote control. This function is designed to avoid the instruments from Damages resulting from excessive volume. Besides, the optimized and fixed volume setting between background music and microphone is convenient for users. It needs no extra adjustments on volume when turning on the system. With this function, we can say goodbye to the unnecessary troubles resulted by miss-hitting the volume button.

2. SUB

Crossover Point Adjustment for Subwoofer. The range is between 50Hz ~ 150 Hz. Besides enhancing the atmosphere and mood, the SUB function can compensate the insufficient subwoofer effects on Left / Right Channels. When we adjust this function, it would be acceptable when there is no bass reflection resonance rumbled in the whole space. It is suggested to slightly fade the MUSIC TONE (BASS) of Left/Right Channels. This can ensure a solider and clearer performance of subwoofer.

3. Hi-CUT

Eliminate the hiss resulted from labiodentals and microphone. In some cases, when we collocate the amplifier and the microphone, there would be the protrude Hi-Frequency response issue, and will lead to the problem of labiodentals hiss and some feedbacks. This function can avoid these problems from occurring. After the proper adjustment, we can use MIC-TONE (TREBLE) function to fine-tune and compensate.

4. MIC LOW CUT

Eliminate the Low-Frequency feedback of the microphone. Basically, the Low-Frequency feedback of the microphone is a problem that most of the karaoke systems can't overcome. This problem comes from the amplifier locations at different height, and the reflection of microphone's nature. This is the problem that MIC-TONE(BASS) can't handle; however, MIC LOW CUT Function can help to shot this trouble.

After the proper adjustment, we can use MIC-TONE(TREBLE) function to fine-tune and compensate.

5. BAL

This is the function for Left/Right Channels Balance Control. When the decoration of the room or the space is irregular, this function would be able to avoid the different sound pressure problem resulted from the different distances of speakers. Fine-tune with BAL function, the balanced sound pressure can be reached.

6. BBE LEVEL ADJ (HIGH / LOW)

Due to the different speakers that each user might possess, the performance will be different accordingly, especially the music source of the karaoke machine. BBE is a technical term authorized from US sound-effect patent, and means the highly clear brightness of sounds. BBE can make the sounds much more alive and vivid, especially for the sound-source of PC-Karaoke or CDG. In another way, this function can be used to compensate the frequency response extension of the speakers. After pressing ON button on the remote control, users can adjust the HIGH / LOW LEVEL knob on AM-888 front panel till reaching the comfortable sound effect.

7. MULTI AUDIO

Normal: Three-Dimensional

Partner: Auto-Vocal.(Note: The sound-source itself needs to be recorded into music + vocal type). L Ch (music) / R Ch (music + Vocal).

Reducer: Remove Vocal(The major feature of this function is to remove 80% of the vocal from the 3D sound-source of CD or MP3. This will slightly affect the overall gamut; however, users can use this function to practice new songs or record for entertainment.

Cancel:Noise Elimination (Cancel: R-Channel, only L / L Channel for output)

Guide for Major Functions on the Rear Panel

1. CENTER OUT

Output by the Center Channel. Connecting with a small amplifier, it can be used as a monitoring speaker, or can be used as a center channel. When the space is large and the distance of the room is far, connecting two center channels can increase the sound pressure and enhance the centralization effect. It is truly recommended to connect the center channel in a space that is exceedingly wide. Please enter the "Parameter Adjustment" and reach the optimized effect accordingly. In particular, for the sound pressure ratio of music and vocal, B1 will automatically memorize right after the adjustment.

* When the center channel is connected for output, the 3D vocal movement effect can be used.

2. SEN OUT / RETURN IN

This is the connector for vocal output with sound effect. It can be connected with the expanded terminals of relevant equipments like compressor.

3. SUB-OUT

Please connect the active subwoofer. As for the crossover point of the active subwoofer, it can be set as "BY-PASS" or "150Hz", and let B1 do the crossover point adjustment.

4. REMOTE IN

When it is necessary to use this function in a public place of entertainment, users can use RS-232 to switch the hardware interface, directly input AM-888 control, and then activate BBE ON/OFF. For more information on relevant control CODE, please refer to our website.

Supplemental User's Guide

OSD Explanation of Sound Effect :

The below terms are made by us. It is designed to help the users to quickly identify and make choices on the six different sound effects. Besides, users can also easily select them via RS232.

1. (a) ECHO+REVERB Love Song for Two Singers - This is especially for songs with slower tempo and rich of emotions. The special effect is made by multiple reflections.
(b) STEREO ECHO+REVERB Love Song for Two Singers - When center channel is used, the performance of vocal would be highlighted, with obvious space movement effect.
2.(a) DELAY+REVERB Professional Singer- This effect is without any echo, and has only double vocal reflection. Double vocal reflection can make vocal much richer, and the end of voice would be easily and quickly closed.
(b)STEREO DELAY+REVERB Professional Singer - When center channel is used, the performance of vocal would be highlighted, with obvious space movement effect.
3.REVERB Songs with Quick-Tempo
This effect is designed for songs with exceedingly quick and strong tempo, without any direct reflection. When some microphones are used at the same time, it is especially able to keep the synchronized vocal and cosmos of the space effect. There are four modes for selection, and users can fine-tune with proper parameters after choosing the mode they like. Once the REVERB effect is activated, users can feel the dynamic sound effect.

4.ECHO Pop Songs - This effect is for conventional singing. If users can't get use to the effects above, they can return to this EHCO effect. AM-888 s ECHO is supported by Digital Signal Processor, and able to bring the outstanding quality of sound.

Explanation for Sound-Effect Terms:

1. ECHO:
This mode will generate reflections / reiteration for about 5 -8 times. It is suitable for singing, and the cycle time for each reiteration is between 170ms ~200ms.

2. REVERB TIME:
The delay time for high-density space reverberation. This kind of sound is resulted from the voice reflected from more than one surface and then received by human ears. The reverberation is without any direction, such as ceiling, tables…and ect.

3. LPF : Low-Frequency Fading of Reverberation.

4. DEPTH:
Depth of Phase (+ Phase / - Phase / 0 Same Phase) 閘

5. PRE DELAY (REV):
Reflected sound (Reverberation) at initial stage - it is reflected from only one surface, and important for the clarity of the sound.

6. DELAY TIME (ECHO):
The length of the delay time(Echo)

7. REPEAT (ECHO) :
The repeat frequency of Echo..

Note:Direct sounds and reflected sounds are basic elements for making up the sound effectWhen we use DSP to simulate and compose both of them, it would create the unimaginable effects in an airtight space.

Parameter Adjustment for Remote Control(PARAM)

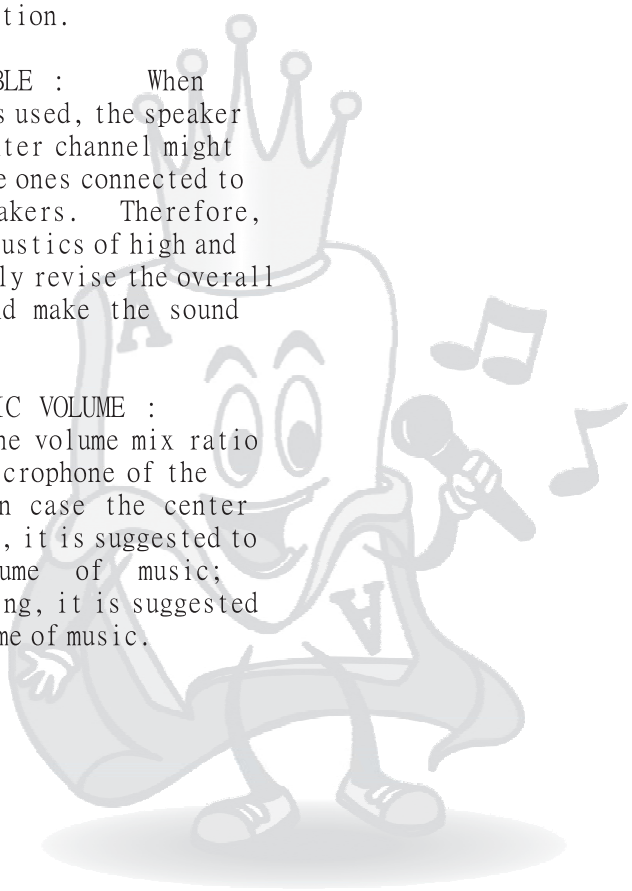
1. For Parameter Adjustment: It is necessary to press this button for settings. Press " EXIT " after the adjustment and would return to the

normal screen.
(a)AUTO : This is used for selection with the input signals. "OFF" for Manual operation, and "ON" for auto-operation. For family use, manual operation is recommended.

(b)DETECTOR SEL : A means the inspection of AUDIO sound / V means the inspection of VIDEO image. The inspection is usually used in business locations, commonly the environment with automatic operation.

(c)CENTER BASS/TREBLE : When the center channel is used, the speaker connected to the center channel might be different from the ones connected to the Left/Right speakers. Therefore, we can adjust the acoustics of high and low sounds to slightly revise the overall characteristics, and make the sound richer and mellower.

(d)BAL MUSIC / MIC VOLUME : This is to adjust the volume mix ratio between music and microphone of the center channel. In case the center channel is connected, it is suggested to decrease the volume of music; however for monitoring, it is suggested to increase the volume of music.



ACESONIC LIMITED WARRANTY
WARRANTY PROCEDURE

TO VALIDATE YOUR WARRANTY: Fill out the attached warranty card, be sure to include the model and serial number of the unit since this is how warranties are tracked. If your Acesonic product was purchased in the U.S., mail the completed card directly to Acesonic within 10 days from the date of purchase. If you purchased the product outside the U.S . you must file your warranty registration card with the Distributor in that country. It is advised that you keep your bill of sale as proof of purchase, should any difficulties arise concerning the registration of the warranty card.

WARRANTY REGISTRATION is made and tracked by MODEL AND SERIAL NUMBER ONLY, not by the purchaser's or owner name. Therefore any warranty correspondence or inquiries MUST include the model and serial number of the product in question. Be sure to fill in the model and serial number in the space provided below and keep this portion of the warranty card in a safe place for future reference.

WARRANTY SERVICE MUST BE PERFORMED ONLY BY AN AUTHORIZED ACESONIC SERVICE FACILITY LOCATED IN THE COUNTRY WHERE THE UNIT WAS PURCHASED,OR AT THE ACESONIC HEADQUARTER IN THE U.S.It is recommended that advance notice be given to the repair facility to avoid needless shipment in case the problem can be solved over the phone. UNAUTHORIZED SERVICE PERFORMED WILL VOID ANY EXISTING FACTORY WARRANTY ON THAT PRODUCT.

FACTORY SERVICE: if you wish your product to be serviced at the factory, it must be shipped FULLY INSURED, IN THE ORIGINAL PACKING OR EQUIVALENT. This warranty will NOT cover repairs on products damaged through improper packaging. If possible, avoid sending products through the mail. Be sure to include in the package:

1 . Complete return shipping address (P.O. Box numbers are NOT acceptable).

2 . A detailed description of any problems experienced, including the make and model numbers of any other equipment in the system.

Repaired products will be returned freight C.O.D. unless sufficient return shipment funds are included with the unit.

Products sent to the factory from outside the U.S. MUST include return freight funds, and the sender is fully responsible for all, customs procedures, duties, tariffs and deposits.

RECORD THE MODEL AND SERIAL NUMBER BELOW AND RETAIN THIS PORTION OF THE WARRANTY CARD FOR YOUR FILES:

MODEL ACESONIC AM-888 **SERIAL NUMBER** _____

DATE OF PURCHASE _____

Detach this portion and mail it to the factory

MODEL ACESONIC AM-888 **SERIAL NO.** _____ **PURCHASE DATE** _____

OWNER'S NAME _____ **ADDRESS** _____

CITY _____ **STATE** _____ **ZIP** _____

E-MAIL ADDRESS _____ **TELEPHONE** _____

The following information is appreciated, but not required:

Dealer's name and address: _____

What other products and/or product changes would you like to see Manufactured?

Any other comments:

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City of Industry CA, 91746
USA